SH-50

- 24x super-wide optical zoom (25-600mm*)
- iHS Technology
- TruePic VI image processor
- Dual Image Stabilisation (3-axis Photo IS)
- 48x with Super-Resolution Zoom
- 16 Megapixel backlit CMOS
- 7.6cm/3.0" 460,000 dot touch panel LCD
- Multi-motion Movie IS (Hybrid 5-axis Movie IS)

Maximum detail. Minimum blur.

The SH-50 has plenty to boast about, but it has one special feature that's going to change point-and-shoot cameras forever: its groundbreaking, super-sharp image stabilisation (IS) technology. The SH-50 is the first-ever compact digital camera to counteract blur with the sophisticated 5-axis system normally used in DSLRs. Hybrid 5-axis Movie IS is so effective that you can actually make a movie as you run, entirely blur-free. For still shots, 3-axis Photo IS is just as powerful and, in this type of camera, just as rare. The world-beating IS isn't just about razor-sharp shots. In combination with iHS technologies, it makes the SH-50 a fantastic camera for shooting in poor light. iHS includes the TruePic VI processor and backlit CMOS sensor that deliver the high sensitivity and high speed you need to enhance detail and reduce noise in low-light conditions. On top the SH-50 has a great feature for close-up imaging. Telephoto Macro mode lets you zoom in on tiny details from up to 40cm away to create fascinating stills and Full HD movies. If you record your movies in 120fps high-speed movie mode, you can play them back in HD in super slow-motion and catch movements you'd miss with the naked eye. In 1080 Full HD resolution, the SH-50 gives you a choice of the 60i or 30p format. Whichever you choose, the result will be sharp as a tack.

Specifications

Image Sensor

Effective pixels	16 Megapixels
Filter array	Primary colour filter (RGB)
Full resolution	16.8 Megapixels
Type	1/2.3'' CMOS

Lens

Optical zoom	24x (WIDE)
Focal length	4.5 - 108.0mm
Focal length (equiv. 35mm)	25 - 600mm
Maximum aperture	3.0 - 6.9
Structure	11 lenses / 10 groups
Aspherical glass elements	3
ED glass elements	3

Digital Zoom

Enlargement factor	4x / 96x combined with optical zoom
Super Resolution Zoom	2x / 48x combined with optical zoom

Monitor

Resolution	460000 dots
Monitor size	7.6cm / 3.0'' (3:2)
Monitor type	LCD - Touch Panel
Live Guide	-
Frame assistance	Yes
Brightness adjustment	+/- 2 levels
Protection panel	Yes

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Focusing System

Method	TTL iESP auto focus with contrast detection
Modes	Touch target iESP Face Detection AF Spot AF Tracking
Standard mode	0.1m - (wide) / 0.4m - (tele)
Super Macro Mode	Closest focusing distance: 3cm
AF illuminator	Yes
Focus areas	-

Light Metering

Modes	ESP light metering Spot metering
Histogram in shooting mode	Yes

Exposure System

Modes	i-Auto Programme automatic Advanced Movie P + Movie clip Panorama Hand-held Starlight Scene Modes Magic Filter
Shutter speed	1/4 - 1/2000s / < 15s (Manual Mode)
Exposure compensation	+/- 2EV / 1/3 steps
Enhancement function	Mechanical Image Stabiliser (3-axis Sensor shift)
	Advanced Face Detection Technology
	Shadow Adjustment Technology
	Pet Detection

Scene Modes

Number of scene modes	17
Modes	Portrait Beauty Landscape Night Scene Night Scene with portrait Sports Indoor Self-portrait

Magic Filter

Types	Pop Art Pin Hole Fisheye Soft Focus Punk Sparkle Water colour Reflection

Multi-Recording

Modes	Photo & Movie Capture Photo with Movie Clip

Sensitivity

Auto	AUTO / High AUTO
Manual	ISO 125, 200, 400, 800, 1600, 3200, 6400

White Balance

AUTO WB system	Yes
Preset values	Overcast Sunlight Tungsten Flourescent 1
One-touch white balance	1 custom settings can be registered

Internal Flash

Modes	AUTO Red-eye reduction Fill-in Off
Working range (wide)	0.1 - 9.4m (ISO 3200)
Working range (tele)	0.4 - 4.0m (ISO 3200)

Sequence Shooting

Sequential shooting mode (high speed)	60fps / 60 frames (in 3MP mode)
	20fps / 60 frames (in 3MP mode)
	11.5fps / 17 frames (Full Image Size)
Sequential shooting mode	2.5fps / 200 frames (Full Image Size)

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Image Processing

Noise reduction	Yes
Pixel mapping	Yes
Engine	TruePic VI
Shading compensation	Yes
Distortion compensation	Yes

Image Editing

Resize	Yes
Trimming	Yes
Correction of saturation	Yes
Beauty Fix	Yes

Movie Editing

Still Image Cropping	Yes

View Images

Modes	Single Index Zoom Slide show Event
Index	4 x 4 frames
Zoom	1.1 - 10x
Auto rotation	Yes
Image protect mode	Yes
Histogram in playback mode	Yes

View Movie

Modes	Frame by frame Fast forward Index jump Reverse playback

Still Image Recording

DCF	Yes
RAW	No
EXIF	2.3
PIM	III
DPS	PictBridge
DPOF	Yes

Movie Recording System

Recording format	QuickTime Motion JPEG®
Image Stabilisation Mode	Hybrid sensor shift + digital (5-axis)
HD Movie quality	1080 60i Recording time: 29min. 720P Recording time: 29min.
Movie quality	VGA Recording time: Up to card capacity
High-Speed Recording	432 x 324 / 240fps Recording time: 20sec. 1280 x 720 / 120fps Recording time: 20sec. Note: maximum file size 4GB When shooting 1080P/720P movies, use SDHC / SDXC class 6 or higher.
Magic Filter	Pop Art Pin Hole Fisheye Soft Focus Punk Water colour Reflection Miniature

Sound Recording System

Internal microphone	Stereo
Sound recording	Yes , format: PCM
Image footage	4s
Voice playback	Yes
Speaker	Yes

Memory

Removable Media	SD / SDHC / SDXC (UHS-I class supported)
Capacity	128GB
Internal memory	39.3MB
Eye-Fi Card compatible	Yes

Image Size

16M	4608 x 3456
8M	3264 x 2448
3M	2048 x 1536
VGA	640 x 480
Aspect ratio	4:3 / 3:2 / 16:9 / 1:1

Menu

Menu languages in camera	39

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Other Features

Self timer	2 / 12s Pet auto shutter
Perfect Shot Preview	Yes
Menu guide	Yes
Panorama function	Smart Panorama
Photo Surfing	Yes
Date imprint	Yes
SNS upload	Yes

Power Supply

Battery	LI-90B Lithium-Ion Battery
Internal Charging	Yes

Interface

DC input	Yes
Combined A/V & USB output	Yes
USB 2.0 High Speed	Yes
HDMI™	Yes Micro connector (Type D) *
	* "HDMI", the HDMI logo and "High-Definition Multimedia Interface" are trademarks or registered trademarks of HDMI Licensing LLC.
FlashAir compatible	Yes

Size

Dimensions (W x H x D)	112.1 x 63.5 x 42.4mm
Weight	269g (including battery and memory card)

Exterior

Material	Metal

*Equivalent to a 35mm camera

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